


## M2S090-1FGG676I

Part Number:	M2S090-1FGG676I
Manufacturer/Brand:	Microsemi
Product description:	IC FPGA SOC 90K LUTS 676FBGA <a href="#">1.M2S090-1FGG676I.pdf</a> <a href="#">2.M2S090-1FGG676I.pdf</a>
Datasheets:	<a href="#">1.M2S090-1FGG676I.pdf</a> <a href="#">2.M2S090-1FGG676I.pdf</a>
RoHs Status:	 Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.





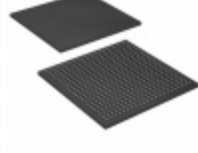
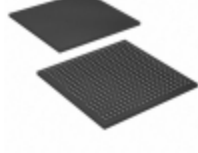




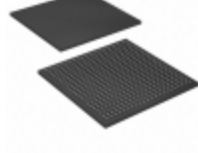

### Specifications of M2S090-1FGG676I

PART NUMBER	M2S090-1FGG676I
MANUFACTURER	Microsemi
DESCRIPTION	IC FPGA SOC 90K LUTS 676FBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.M2S090-1FGG676I.pdf</a> <a href="#">2.M2S090-1FGG676I.pdf</a>
SUPPLIER DEVICE PACKAGE	676-FBGA (27x27)
SPEED	166MHz
SERIES	SmartFusion@2
RAM SIZE	64KB
PRIMARY ATTRIBUTES	FPGA - 90K Logic Modules
PERIPHERALS	DDR, PCIe, SERDES
PACKAGING	Tray
PACKAGE / CASE	676-BGA
OPERATING TEMPERATURE	-40°C ~ 100°C (TJ)
NUMBER OF I/O	425
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
FLASH SIZE	512KB
DETAILED DESCRIPTION	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion@2 FPGA - 90K Logic Modules 512KB 64KB 166MHz 676-FBGA (27x27)
CORE PROCESSOR	ARM® Cortex®-M3
CONNECTIVITY	CANbus, Ethernet, I <sup>2</sup> C, SPI, UART/USART, USB
BASE PART NUMBER	M2S090
ARCHITECTURE	MCU, FPGA

### Related Tags

Microsemi M2S090-1FGG676I	M2S090-1FGG676I Distributor	M2S090-1FGG676I Supplier
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Microsemi M2S090-1FGG676I	Microsemi Supplier	Microsemi Distributor
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Microsemi Consumer Medical Product Group M2S090-1FGG676I	Microsemi HI-REL [MIL] M2S090-1FGG676I	Microsemi Power Management Group M2S090-1FGG676I
Microsemi Power Products Group M2S090-1FGG676I	Microsemi SoC M2S090-1FGG676I	Microsemi Commercial Components Group M2S090-1FGG676I
Microsemi Corporation M2S090-1FGG676I	Microsemi Solutions Sdn Bhd. M2S090-1FGG676I	

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 <p><b>M2S090-FCS325</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 90K LUTS                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>M2S090-FCSG325</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 90K LUTS                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>M2S090-1FG676IX417</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 90K LUTS 676FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>M2S090-1FGG676</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 90K LUTS 676FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>M2S090-1FGG484I</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 90K LUTS 484FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>M2S090-FG484</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 90K LUTS 484FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>M2S090-1FG676I</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 90K LUTS 676FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>M2S090-FCS325I</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 90K LUTS                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>M2S090-FG484I</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 90K LUTS 484FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>M2S090-1FG676</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 90K LUTS 676FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>M2S090-1FGG484</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 90K LUTS 484FBGA                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>M2S090-FCSG325I</b>                  Manufacturers: Microsemi                  Description: IC FPGA SOC 90K LUTS                  In stock: Out stock  <a href="#">RFQ</a></p>